PATENT APPLICATION DECLARATION AND POWER OF ATTORNEY ATTORNEY DOCKET NO. MSFT 4965 MS DOCKET NO. MS#183303.1 As a below named inventor, I hereby declare that: My residence/post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SUMMARY-DETAIL CUBE ARCHITECTURE USING HORIZONTAL PARTITIONING OF the specification of which is filed herewith unless the following box is checked: () was filed on as US Application Serial No. or PCT International Application Number and was amended on (if applicable). I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56. Foreign Application(s) and/or Claim of Foreign Priority I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any fereign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed: COUNTRY APPLICATION NUMBER DATE FILED PRIORITY CLAIMED UNDER 35 U.S.C. 119 YES: NO: NO: Provisional Application I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below: U APPLICATION SERIAL NUMBER FILING DATE **T** U.S. Priority Claim I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter Of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112. I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)
gr.		- 0
. U		
DOMED OF ATTORNEY.		

POWER OF ATTORNEY:

As a named inventor. I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Irving Powers, Reg. No. 15,700	Donald G. Leavitt, Reg. No. 17,626	John K. Roedel, Jr., Reg. No. 25,914	Michael E. Godar, Reg. No. 28,416
Edward J. Hejlek, Reg. No. 31,525	William E. Lahcy, Reg. No. 26,757	Richard G. Heywood, Reg. No. 18,224	Frank R. Agovino, Reg. No. 27,416
Kurt F. James, Reg. No. 33,716	G. Harley Blosser, Reg. No. 33,60	Paul I.J. Fleischut, Reg. No. 35,513	Vincent M. Keil, Reg. No. 36,838
Robert M. Evans, Jr., Reg. No. 36,794	Robert M. Bain, Reg. No. 36,736	Kathleen M. Petrillo, Reg. No. 35,076	David E. Crawford, Jr., Reg. No. 38,118
Richard L. Bridge, Reg. No. 40,529	Christopher M. Goff, Reg. No. 41,785	Derick E. Allen, Reg. No. 43,468	Michael G. Munsell, Rcg. No. 43,820
Anthony R. Kinney, Reg. No. 44,834	Brian P. Klein, Reg. No. 44,837	Sarah J. Chickos, Reg. No. 46,157	Donald W. Tucgel, Reg. No. 45,424
Steven M. Ritchey, Reg. No. 46,321	Michael J. Thomas, Reg. No. 39,857	Kathryn J. Doty, Reg. No. 40,593	Laura R. Polcyn, Reg. No. 47,000
James J. Barta, Jr., Reg. No. 47,409	James E. Davis, Reg. No. 47,516	Richard A. Schuth, Reg. No. 47,929	John M. Bodenhausen, Reg. No. 47,432
Debra D. Nye, Rcg. No. P48,260	Jennifer E. Hoekel, Reg. No. P48,330	Timothy B. McBride, Reg. No. 47,781	David L. Howard, Reg. No. 41,502
Katie E. Sako, Rog. No. 32,628	Daniel D. Crouse, Reg. No. 32,022		7,10,11,302

Send Correspondence to: Customer Number: 000321 Senniger, Powers, Leavitt & Roedel One Metropolitan Square, 16th Floor St. Louis, Missouri 63102

Direct Telephone Calls To:

Robert M. Bain (314) 231-5400 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Adam E. C. Yeh

Citizenship: Taiwan

Residence: Bellevue, Washington

Post Office Address: 5447 176th Place SE, Bellevue, Washington 98006

Inventor a Signature

01/15/2002

Date